Product Specification

Full HD Outdoor IR PoE IP Camera

ICA-3250V

Version 1.0

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Change History:

Revision	Date	Author	Change List
Version 1.0	2012/11/29	Anthony	Initial release

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Reviewed by:	Jonas Yang	Approved by:	Tom Shih

1. PRODUCT DESCRIPTION

Superb Full HD Quality for Professional Surveillance
The ICA-3250V, 25 meters IR / Vari-Focal Outdoor PoE IP Camera, supports the highest video compression – H.264, which provides small video size and save you lots of bandwidth usage. The new video compression is the best solution for Internet video transmission.

Dual Streaming / Multi Profiles
The Multi-Profile function enables the ICA-3250V to generate H.264 / MPEG-4 / M-JPEG streaming simultaneously to differentiate users in different resolutions. This state-of-the-art design is considerable to fit in various network environments. The ICA-3250V provides 2-Way audio function for surveillance. It can remotely talk to anyone at the ICA-3250V site with additional speaker connected to the camera.

PoE Support Enables Installation Anywhere and IP-66 protection for outdoor application
Compliant with IEEE 802.3af PoE interface, the ICA-3250V can be located in places where there are no power outlets. Through Power over Ethernet function and with UPS installed in the network center, the administrators are fearless of any power breakdown.

Vari-Focal IR Lens
With water-proof & Vari-Focal IR lens, the ICA-3250V meet various demand of installations, for instance, traffic monitoring on two more lanes or focus on one specified lane. The IR function makes the monitoring 24/7 both in day and night.

Day & Night Operations
The ICA-3250V features zero-lux illumination. Its 35 IR illuminators built around the lens bring the clearest vision at night. Via the new LED technology, the illuminator ensures high-quality monochrome images in complete darkness up to 25 meters. With the aluminum rugged all-weather waterproof housing, the ICA-3250V performs reliable operation in any environment. It can work with the PLANET Cam Viewer 3 Lite/Pro Management software and Network Video Recorder products for various field demands in surveillance network.

2. PRODUCT FEATURES

➢ Camera

- Mega-Pixel COMS Sensor with Vari-Focal Lens in 25 meters IR distance
- IP-66 protection for outdoor application
- Maximum resolution 1920 x 1080 (30fps)

➢ Video / Audio

- 2-Way audio supported with external speaker and microphone
- Cut filter brings better video quality in the daytime and nighttime
- Supports H.264, MPEG-4 and M-JPEG video compression

➢ Network and Configuration

- Compliant with IEEE 802.3af PoE interface
- DDNS, PPPoE and FTP upload supports more alternatives in surveillance network
- Motion Detection feature can monitor any suspicious movement in specific area
- Supports IPv6 protocol in addition to the standard IP protocol version 4 (IPv4)

➢ Easy Installation & Management

- Easy configuration and management via Windows-based utility or web interface
- Support 3GPP and JAVA for iPhone and Windows mobile for remote view
- Supports ONVIF v1.02 / v1.01 Standard
- Easy setup through cable management

3. PRODUCT SPECIFICATION

3.1 COMPOMENT SPECIFICATIONS

CPU: ARM Cortex-A9, 32 bit RISC

RAM: 256Mb

Flash: 16Mb

3. 2 FUNCTIONAL SPECIFICATIONS

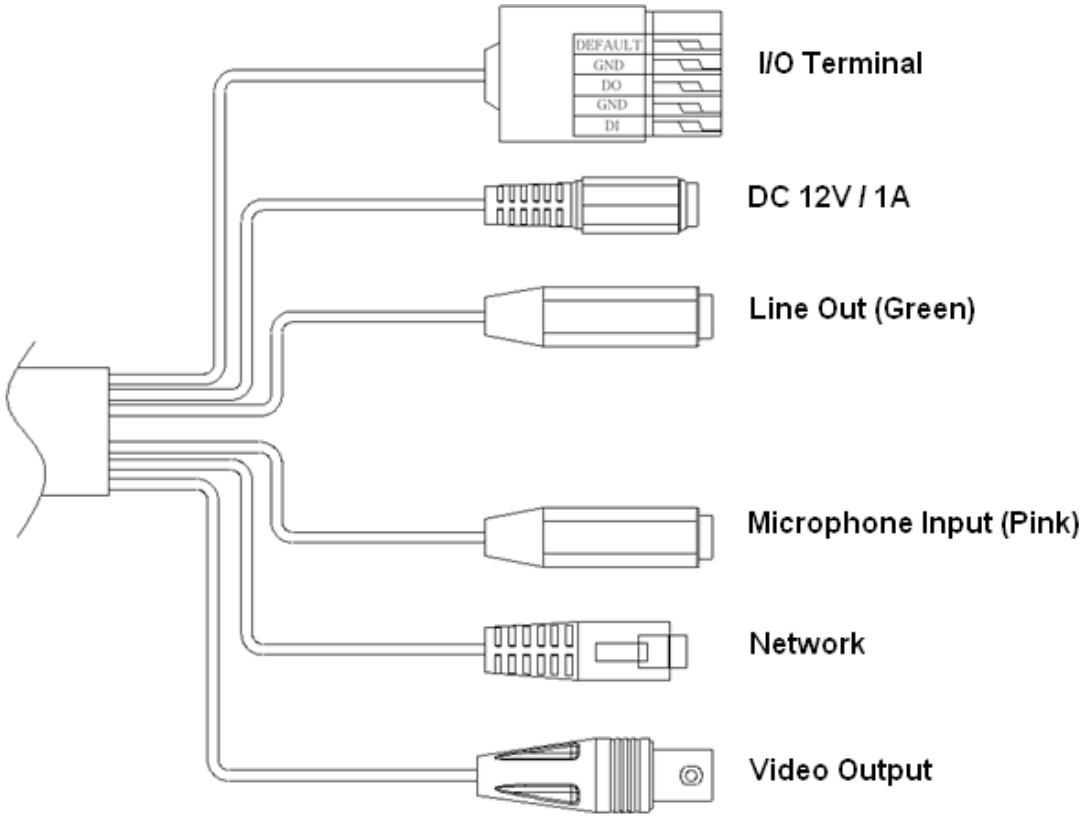
Model	ICA-3250V
Camera	
Image Device	1/2.7” 2Mega-Pixel CMOS Sensor
Effective Pixels	1920 x 1080@30fps
Sensitivity	0.05lux
Lens	3.6 ~ 16mm Vari-focal lens with auto iris and IR cut filter/ F1.2
Illuminator	0 Lux IR on
View Angle	H: 23.6~97.9 Degree / V: 14.2~51.6 Degree
Video	
Video Encoder	H.264, MPEG4 and Motion JPEG simultaneously (Tri-encoders)
Video Profile	13 profiles simultaneously - H.264 1080p / 720p / VGA / QVGA / QCIF - JPEG 1080p / 720p / VGA / QVGA / QCIF - MPEG4 VGA / QVGA / QCIF (Only for 3GPP)
Frame Rate	HD-1080p / 720p / VGA / QVGA / QCIF Up to 30fps
Image Setting	Brightness, sharpness, contrast, AGC, Night Mode Text, time and date overlay
Streaming	Simultaneously multi-profile streaming M-JPEG streaming over HTTP Supports 3GPP mobile surveillance Controllable frame rate and bandwidth Constant and variable bit rate (MPEG4 / H.264)
Audio	
Audio Encoder	RTSP:G.711 / G.726 3GPP:AMR
Audio Streaming	One-way or Two-way
Microphone	External microphone input
Audio Output	Phone Jack
Network and Configuration	
Network Standard	IEEE 802.3 / IEEE 802.3u
Supported Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DDNS, DHCP, UPnP, RTSP, RTP, RTCP, PPPoE, 3GPP, ICMP
Security	Password protection, user access log
Users	10 simultaneous unicast users
Ethernet	10/100M auto negotiation

System Integration	
Application Programming Interface	Open API for software integration SDK
Alarm Triggers	Intelligent video motion detection and external input
Motion Detection	3-zone video motion detection
Alarm Events	File upload via FTP, email and SAMBA. External output activation
Video Buffer	Pre- 5sec and post- 10 sec alarm buffering
General	
Power Supply	12V DC external power adapter
PoE	IEEE 802.3af
PoE Consumption	Max 7.68 W while IR LED ON Max 4.8 W while IR LED OFF
Illumination LED	IR LEDS
IR LED	Infrared LED ×35pcs
IR Wavelength	850nm
IR Distance	25M
Power Consumption	IR on: 5.76W IR off: 3.84W
Protection Class	IP-66 classification
Operating Temperature	-20 ~ 50 degree C
Viewing System	
OS	Windows® XP, Vista 32bit, Win7 32bit, Server 2003
Browser	IE 8.0 or latter
Cell Phone	With 3GPP player
Video Player	VLC, Quick Time, Real Player
Software	
Monitor/ Recording / Management	PLANET CV3P (2-ch Cam Viewer Three Pro Trail Version) PLANET CV3L (64-ch Cam Viewer Three Lite Bundle Version)
Search & Installation	PLANET IP Installer

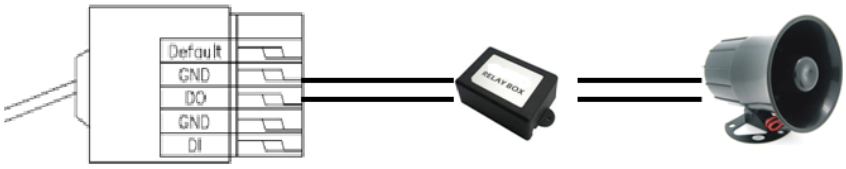
3.3 PHYSICAL SPECIFICATION

Weight
1590g

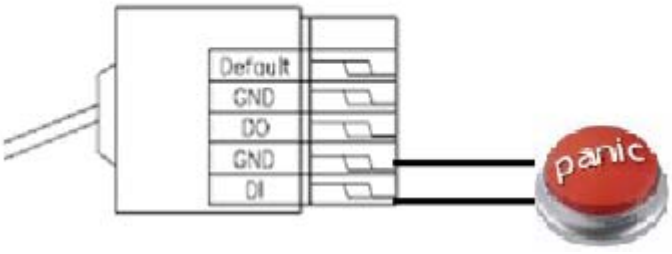
I/O Control Instruction:



3.3.1 Please connect the GND & DO pin to the external relay (buzzer) device.



3.3.2 Please connect the GND & DI pin to the external trigger device.



3.3.3 I/O PIN definition

- GND (Ground): Initial state is LOW
- DO (Digital Output): DC 5V
- DI (Digital Input): Max. 50mA, DC 5V

3.3 ENVIRONMENTAL SPECIFICATION

Operating Temperature
-20 ~ 50 degree C
Operating Humidity
20 ~ 80% (non-condensing)

3.4 REGULATORY COMPLIANCE

FCC, CE

3.5 BASIC PACKAGING

ICA-3250V x 1
Power Adapter x 1
Screw package x 1
Female to Female RJ-45 connector x 1
User's Manual CD x 1
Quick Installation Guide x 1

3.6 PACKAGE INFORMATION

Dimension
340 x 240 x 115 mm (W x D x H)

Weight
1.59kg

3.7 CARTON PACKAGE INFORMATION

Dimension
600 x 355 x 503 mm (W x D x H)

Weight
1.7kg